IN THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (original) A method of telephonic communication to a wireless Subscriber over Internet Protocol and wireless networks, comprising the steps of:

a caller initiating a communication and signal with a PBX or other phone, such as a home telephone connecting to a CO;

the PBX or CO routing the signal to a first gateway (GW-1);

the first gateway (GW-1) requesting routing information from a Command Center (CC);

the CC querying through an SS7 backbone to a Home Location Register (HLR) for routing information;

a Visited Mobile (Services) Switching Center (VMSC) assigning a temporary routing number N for the signal and passing the temporary routing number N back to the HLR;

the HLR returning the temporary routing number N via SS7 backbone to the CC;

the CC informing a second gateway (GW-2) of an incoming connection;

the GW-2 informing the CC of its readiness to receive the incoming connection;

the CC returning instructions and a VoIP IP address to GW-1;

GW-1 establishing the connection to GW-2;

GW-2 routing the connection to the VMSC; and

the VMSC processing the connection to complete the communication to a wireless subscriber.

2. (previously presented) A communication system for routing a caller's communication, comprising:

a switching network having:

a first gateway for receiving the communication;

a second gateway for establishing an external connection through which the communication can be routed;

a command center for causing the first and second gateways to make an internal connection through which the communication can be routed; and

a wireless network having:

a visited mobile switch center for generating routing information, for receiving the communication from the external connection, and for routing the communication to the subscriber;

a home location register for locating the visited mobile switch center, and for passing the routing information from the visited mobile switch center to the command center

wherein the command center causes the external connection to be established based on the routing information.

3. (previously presented) The communication system of claim 2,

wherein the command center communicates with the home location register through an SS7 gateway.

4. (previously presented) The communication system of claim 2,

wherein the command center is able to determine whether the caller's communication should be routed through the wireless network.

5. (previously presented) The communication system of claim 2,

wherein the command center is able to determine characteristics of the wireless network.

6. (previously presented) The communication system of claim 2, wherein:

upon receiving the communication from a caller, the first gateway is able to request the routing information from the command center;

upon receiving the request from the first gateway, the command center is able to send a query to the home location register; and

upon receiving the query from the command center, the home location register is able to send a query to the visited mobile switch center for the routing information.

7. (previously presented) The communication system of claim 6, wherein:

upon receiving the routing information from the home location register, the command center is able to send the second gateway an instruction to inform the internal connection;

upon receiving the routing information from the command center, the second gateway is able to send its readiness status to the command center;

upon receiving the readiness status from the second gateway, the command center returns instructions to the first gateway;

based on the instructions from the command center, the first gateway is able to make the internal connection to the second gateway; and

upon completing the internal connection, the second gateway is able to establish the external connection.

8. (previously presented) The Communication system of claim 2, wherein the switching network is a VoIP Virtual Private Network.

9. (previously presented) A switching network for routing a caller's communication through a wireless network, comprising:

gateways for receiving the communication, and for establishing an external connection through which the communication can be routed to the wireless network; and

a command center for receiving routing information from the wireless network and for causing the gateways to make the external connection to the switching network based on the routing information.

10. (previously presented) The switching network of claim 9,

wherein the external connection is established to a visited mobile switch center of the wireless network.

11. (previously presented) The switching network of claim 9,

wherein the command center receives the routing information through an SS7 gateway.

12. (previously presented) The switching network of claim 9,

wherein the command center is able to determine whether the caller's communication should be routed through the wireless network.

13. (previously presented) The switching network of claim 9,

wherein the command center is able to determine characteristics of the wireless network.

14. (previously presented) The switching network of claim 9, wherein:

upon receiving the communication from a caller, the gateways are able to send a request to the command center for the routing information;

upon receiving the request from the gateways, the command center is able to send a query to the wireless network; and

after sending out the query, the command center is able to receive the routing information from the wireless network.

15. (previously presented) The switching network of claim 14, wherein:

based upon the routing information, the command center causes the external connection to be established to the wireless network.

16. (previously presented) The switching network of claim 9, wherein the switching network is a VoIP Virtual Private Network.

17. (canceled)

18. (canceled)

19. (previously presented) A method of routing a caller's communication to a wireless subscriber, comprising the steps of:

at a VoIP virtual private network:

receiving the communication;

requesting routing information from a wireless network;

receiving the routing information from the wireless network;

establishing an external connection through which the communication can be routed to the wireless network based on the routing information; and

at the wireless network:

generating the routing information in response to the request from the VoIP virtual private network;

passing the routing information to the VoIP virtual private network;

receiving the communication from the VoIP virtual private network through the external connection; and

routing the communication to the subscriber.

20. (previously presented) The method of claim 19, further comprising the step of:

determining whether the caller's communication should be routed through the wireless network at the VoIP virtual private network.

21. (previously presented) The method of claim 20, further comprising the step of:
determining characteristics of the wireless network at the VoIP virtual private network.

22. (previously presented) A method of routing a caller's communication to a wireless network, comprising the steps of:
receiving the communication in a VoIP virtual private network;
requesting routing information from the wireless network;
receiving the routing information from the wireless network;
establishing an external connection to the VoIP virtual private network based on the routing information; and
routing the communication to the wireless network through the external connection.

23. (previously presented) The method of claim 22, further comprising the step of:
determining whether the caller's communication should be routed through the wireless network.

24. (previously presented) The method of claim 22, further comprising the step of:
determining characteristics of the wireless network.

25. (previously presented) A method of routing a caller's communication from a VoIP virtual private network to a subscriber, comprising the steps of:
receiving a request from the VoIP virtual private network;
generating the routing information in response to the request;
passing the routing information to the VoIP virtual private network;
receiving the communication from the VoIP virtual private network; and
routing the communication to the subscriber.